

GENERAL CATALOG 2023



TORQUE WRENCH

AND ANALYZER

<http://www.bestool-kanon.co.jp>



NAKAMURA MFG.CO.,LTD.
TSURU FACTORY



ISO 9001
JQA-2434



ISO 14001
JQA-EM1367

BESTOOL-KANON

Exploring the frontiers of higher accuracy and reliability.

Every single fastener fulfills an important function maintaining the life of every product. In the transportation or chemical industries, if a fastener loosens from improper tightening, it might cause a serious disaster costing human life. We focus our techniques and wisdom, accumulated over many years, on preventing such occurrences.

Tightening only by hand will cause unexpected disaster. For example,

Traffic accidents

Improper wheel nut tightening resulting in wheels coming off.

Construction accidents

Improper tightening of structural joints resulting in collapsing scaffolding or buildings.

Explosions

Improperly tightened underground gas line joints resulting in leakage and explosion.

Chemical accidents

In chemical plants, improperly tightened joints can release toxic substances.

Torque tools play an important role in preventing such incidents.

Torque tools tighten joints uniformly with adequate force.

In particular they serve:

1. To prevent under-or-over-tightening.
2. To tighten multiple bolts uniformly.
3. To adequately generate the clamping force required for bolted joints.

BESTOOL-KANON

NOTE: Can be calibrated to : Inch pounds, Foot pounds, Newton meters.

PAGE 3

QLK

ADJUSTABLE, RATCHET TORQUE WRENCHES



PAGE 4

GLK/BLK

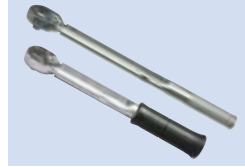
ADJUSTABLE, RATCHET TORQUE WRENCHES WITH RUBBER GRIP



PAGE 5

QSPK

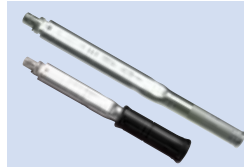
QSPKH, QSPK-A



PAGE 6

SPCK/SPCKH, SPCKA

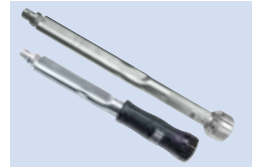
PRE-SET, REPLACEABLE HEAD TORQUE WRENCHES



PAGE 7

LCK/GCK

ADJUSTABLE, REPLACEABLE HEAD TORQUE WRENCHES



PAGE 8

BCK

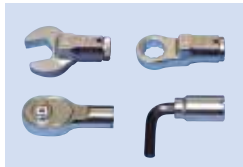
ADJUSTABLE, REPLACEABLE HEAD TORQUE WRENCHES WITH RUBBER GRIP



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HEADS

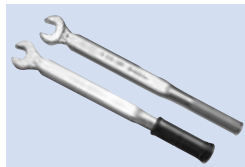
OPTIONAL REPLACEABLE HEADS



PAGE 11

SPK

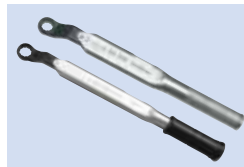
PRE-SET TORQUE WRENCHES



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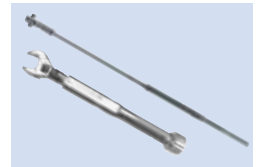
RSPK

PRE-SET, RING TORQUE WRENCHES



PAGE 13

QLK-LR/HYK



PAGE 14

MQLK MQLK-E



PAGE 15

TCSK-99MA SWPM Series



PAGE 16

ZLK/FK

INDICATOR PLATE TORQUE WRENCHES



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TOK-G

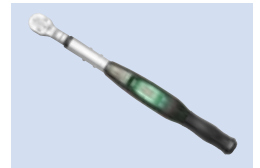
DIAL INDICATOR TORQUE WRENCHES



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DLT-N

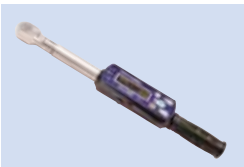
KANON DIGITAL TORQUE WRENCH



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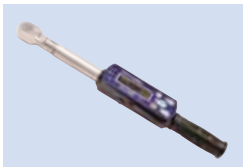
DTC-REV

DATA OUTPUT DIGITAL TORQUE WRENCHES



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DTC-REV-A DTC-REV-UW



PAGE 21

DTC-REV

DIGITAL TORQUE WRENCH WITH CONNECTED DISPLAY



PAGE 21

DTDK-REV

DIGITAL TORQUE DRIVER WITH CONNECTED DISPLAY



PAGE 22

LTDK

CLUTCH RELEASE TORQUE SCREW DRIVERS



PAGE 23

STDK

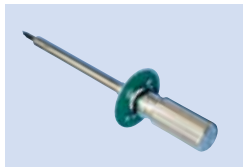
PRE-SET TORQUE DRIVERS



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DPSK

DIAL GAUGE TORQUE DRIVERS



PAGE 25

SGK

TORQUE GAUGES



PAGE 26

KDTA-GT-UC

DIGITAL TORQUE ANALYZERS



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KDTA-GTH-UC

LARGE DIGITAL TORQUE ANALYZERS



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KDTA-GTS-UC

DIGITAL TORQUE ANALYZERS



PAGE 28~29

DRT

KANON TORQUE MEASUREMENT MULTI-INDICATOR



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KDTA-DH

DIGITAL TORQUE ANALYZERS FOR TORQUE DRIVERS



PAGE 30

KDTA-D

DIGITAL TORQUE ANALYZERS FOR ELECTRIC DRIVERS



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TK

TENSION GAUGES



QSPK

PRE-SET, RATCHET TORQUE WRENCHES, METAL HANDLE

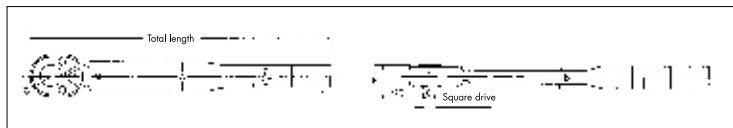
Pre-set torque value. Improved work efficiency with ratchet square drive.

FEATURES

- The ratchet drive enables quickly tightening fasteners to the preset torque. Suitable for repetitive jobs.
- The wrench's inner mechanism automatically resets itself for the the next job after disengaging from a tightened joint.
- Accuracy : ±3% of pre-set value.

EXAMPLE OF ORDER

Model Pre-set Value
 | |
 N100QSPK × 72N·m



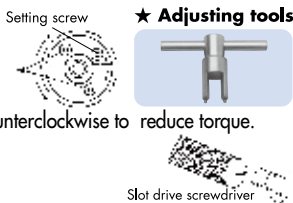
QSPK (Metal Handle)

Model (kgf·cm)	Range kgf·cm	Old Model (N·m)	New Model (N·m)	Range N·m	Model (lbf·in/lbf·ft)	Range lbf·in/lbf·ft	Square drive mm	Total length mm	Dimensions (mm)						Weight kg	
									Head			Body				
									H	G	R	A	B	C		
60QSPK	20~60	N60QSPK	N6QSPK	2~6	PI 60QSPK	20~60 lbf·in	6.35 (1/4")	174	19.5	7.5	12.5	18.2	9.6	15	0.17	
120QSPK	40~120	N120QSPK	N12QSPK	4~12	PI 120QSPK	40~120 //		220								
250QSPK	50~250	N250QSPK	N25QSPK	5~25	PI 230QSPK	70~230 //	9.53 (3/8")	240	25	12	16	25	11.4	20	0.25	
500QSPK	100~500	N500QSPK	N50QSPK	10~50	PI 450QSPK	100~450 //		340								
1000QSPK	200~1000	N1000QSPK	N100QSPK	20~100	PI 900QSPK	200~900 //	12.7 (1/2")	380	31	14	19.7	27.5	12.4	21.7	0.64	
1400QSPK	400~1400	N1400QSPK	N140QSPK	40~140	PI 1400QSPK	400~1400 //		463.5								
2000QSPK	400~2000	N2000QSPK	N200QSPK	40~200	PI 1800QSPK	400~1800 //	19.05 (3/4")	664	42	20	23	34	15.4	27.2	1.35	
2800QSPK	600~2800	N2800QSPK	N280QSPK	60~280	PI 2800QSPK	600~2800 //		935								
4200QSPK	600~4200	N4200QSPK	N420QSPK	60~420	PF 300QSPK	50~300 lbf·ft									3.5	

RE-SETTING THE PRE-SET TORQUE

(SPK · RSPK · QSPK · SPCK · TYPES)

- (1) Remove the screw cap with a slot drive screw driver.
- (2) Loosen the setting screw with a hex wrench.
- (3) Rotate the adjusting tool to clockwise to increase or counterclockwise to reduce torque.
 Check the set torque value with torque analyzer.
- (4) Tighten the setting screw with a hex wrench.
- (5) Screw on the screws cap and tighten it.



Model	Applicable Torque wrench Tools
Adjusting Tool No.1	(N)3,8,19SPK(H),N3,5,9,21RSPK(H),N6,12,25QSPK(H),30,80,190SPK(H),RSPK(H),60,120,250QSPK(H)
Adjusting Tool No.2	N38,67SPK(H),N42,73RSPK(H),N50,100,140QSPK(H),380,670SPK(H),RSPK(H),500,1000,1400QSPK(H)
Adjusting Tool No.3	N120,160,220SPK,N127,170230RSPK,N200,280QSPK,1200,1600,2200SPK,RSPK,2000,2800QSPK
Adjusting Tool No.4	N310SPK,N320RSPK,N420QSPK,3100SPK,RSPK,4200QSPK
Adjusting Tool No.5	N420SPK,N430RSPK,4200SPK,RSPK

* Adjusting tool is option.

QSPKH, QSPKA

PRE-SET, RATCHET TORQUE WRENCHES WITH RUBBER GRIP

Pre-set torque value. Improved work efficiency with ratchet square drive.

FEATURES

- The ratchet drive enables quickly tightening fasteners to the preset torque. Suitable for repetitive jobs.
- The wrench's inner mechanism automatically resets itself for the the next job after disengaging from a tightened joint.
- Accuracy : ±3% of pre-set value.
- H-type : The end cap is removed with a slotted screwdriver to adjust torque.



60~1400QSPKH, QSPKA (with Rubber Grip)
 N6~N140QSPKH, QSPKA (with Rubber Grip)

Model (kgf·cm)	Range kgf·cm	Old Model (N·m)	New Model (N·m)	Range N·m	Square drive mm	Total length mm	Dimensions (mm)						Weight kg	
							Head			Body				
							H	G	R	A	B	C		
60QSPKH	20~60	N60QSPKH	N6QSPKH	2~6	6.35 (1/4")	174	19.5	7.5	12.5	18.2	9.6	26.5	0.19	
120QSPKH	40~120	N120QSPKH	N12QSPKH	4~12		220								
250QSPKH	50~250	N250QSPKH	N25QSPKH	5~25	9.53 (3/8")	240	25	12	16	25	11.4	32.7	0.27	
500QSPKH	100~500	N500QSPKH	N50QSPKH	10~50		340								
1000QSPKH	200~1000	N1000QSPKH	N100QSPKH	20~100	12.7 (1/2")	380	31	14	19.7	27.5	12.4	37	0.41	
1400QSPKH	400~1400	N1400QSPKH	N140QSPKH	40~140		463.5								

■ A-type : Adjusted setting torque value by hex wrench.

Model (kgf·cm)	Range kgf·cm	Old Model (N·m)	New Model (N·m)	Range N·m	Square drive mm	Total length mm	Dimensions (mm)						Weight kg	
							Head			Body				
							H	G	R	A	B	C		
60QSPKA	20~60	N60QSPK-A	N6QSPKA	2~6	6.35 (1/4")	174	19.5	7.5	12.5	18.2	9.6	26.5	0.19	
120QSPKA	40~120	N120QSPK-A	N12QSPKA	4~12		220								
250QSPKA	50~250	N250QSPK-A	N25QSPKA	5~25	9.53 (3/8")	240	25	12	16	25	11.4	32.7	0.27	
500QSPKA	100~500	N500QSPK-A	N50QSPKA	10~50		340								
1000QSPKA	200~1000	N1000QSPK-A	N100QSPKA	20~100	12.7 (1/2")	380	31	14	19.7	27.5	12.4	37	0.41	
1400QSPKA	400~1400	N1400QSPK-A	N140QSPKA	40~140		463.5								

Note : Use a KANON torque wrench analyzer when adjusting torque. Without the analyzer, torque cannot be adjusted.

* is the new model that is applied from 1st January, 2016.



QSPKH

* Adjusting tool is option



QSPKA

* Hex wrench is option

SPCK PRE-SET, REPLACEABLE HEAD TORQUE WRENCHES

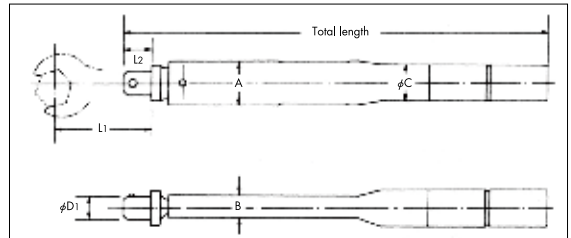
Work at a set torque value can proceed smoothly while using various replaceable heads.

FEATURES

- Replaceable ratchet, open end wrench, ring, and hex drive heads are available.
- Pre-set torque wrench well suited for repetitive jobs at the specified torque value.
- Accuracy : $\pm 3\%$ of pre-set value

USING AN SPCK

Mount the head on the drive.



**SPCK
(Metal Handle)**

Model (kgf·cm)	Range kgf·cm	Old Model (N·m)	New Model (N·m)	Range N·m	Total length mm	Dimensions (mm)						Weight kg	Replaceable heads
						Head			Body				
						$\phi D1$	L1	L2	A	B	ϕC		
60SPCK	20~60	N60SPCK	N6SPCK	2~6	161	10	45	13	18.2	9.6	15	0.15	12QCK, 25 (QCK, SCK, RCK, HCK)
120SPCK	40~120	N120SPCK	N12SPCK	4~12								0.19	25 (QCK, SCK, RCK, HCK)
250SPCK	50~250	N250SPCK	N25SPCK	5~25	196	12	55	16	25	11.4	20	0.27	50 (QCK, SCK, RCK, HCK)
500SPCK	100~500	N500SPCK	N50SPCK	10~50	220							0.57	100 (QCK, SCK, RCK, HCK, NCK)
1000SPCK	200~1,000	N1000SPCK	N100SPCK	20~100	312	15	65	18	27.5	12.4	21.7	0.92	200 (QCK, SCK, RCK, HCK, NCK)
2000SPCK	400~2,000	N2000SPCK	N200SPCK	40~200	428	18	80	22	34	15.4	27.2	1.7	280 (QCK, SCK, RCK, HCK)
2800SPCK	600~2,800	N2800SPCK	N280SPCK	60~280	590	22	100	27	38	16	30	2.6	440 (QCK, SCK, RCK)
4400SPCK	600~4,400	N4400SPCK	N440SPCK	60~440	893							39	2.6

SPCKH, SPCKA PRE-SET, REPLACEABLE HEAD TORQUE WRENCHES WITH RUBBER GRIP

Work at a set torque value can proceed smoothly while using various replaceable heads.



**60~1000SPCKH
60~1000SPCKA
(with Rubber Grip)**

Optional Replaceable Heads (Refer to the page 10)



■ H-type : The end cap is removed with a slotted screwdriver to adjust torque.

Model (kgf·cm)	Range kgf·cm	Old Model (N·m)	New Model (N·m)	Range N·m	Total length mm	Dimensions (mm)						Weight kg	Replaceable heads
						Head			Body				
						$\phi D1$	L1	L2	A	B	ϕC		
60SPCKH	20~60	N60SPCKH	N6SPCKH	2~6	161	10	45	13	18.2	9.6	26.5	0.17	12QCK, 25 (QCK, SCK, RCK, HCK)
120SPCKH	40~120	N120SPCKH	N12SPCKH	4~12								0.21	25 (QCK, SCK, RCK, HCK)
250SPCKH	50~250	N250SPCKH	N25SPCKH	5~25	196	12	55	16	25	11.4	32.7	0.3	50 (QCK, SCK, RCK, HCK)
500SPCKH	100~500	N500SPCKH	N50SPCKH	10~50	220							0.62	100 (QCK, SCK, RCK, HCK, NCK)
1000SPCKH	200~1,000	N1000SPCKH	N100SPCKH	20~100	312	15	65	18	27.5	12.4	37	0.62	100 (QCK, SCK, RCK, HCK, NCK)

■ A-type : Adjusted setting torque value by hex wrench.

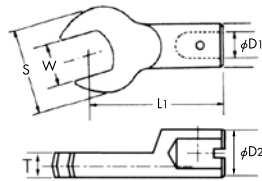
Model (kgf·cm)	Range kgf·cm	Model (N·m)	Range N·m	Total length mm	Dimensions (mm)						Weight kg	Replaceable heads	
					Head			Body					
						$\phi D1$	L1	L2	A	B	ϕC		
60SPCKA	20~60	N6SPCKA	2~6	161	10	45	13	18.2	9.6	26.5	26.5	0.17	12QCK, 25 (QCK, SCK, RCK, HCK)
120SPCKA	40~120	N12SPCKA	4~12									0.21	25 (QCK, SCK, RCK, HCK)
250SPCKA	50~250	N25SPCKA	5~25	196	12	55	16	25	11.4	32.7	32.7	0.3	50 (QCK, SCK, RCK, HCK)
500SPCKA	100~500	N50SPCKA	10~50	220								0.62	100 (QCK, SCK, RCK, HCK, NCK)
1000SPCKA	200~1,000	N100SPCKA	20~100	312	15	65	18	27.5	12.4	37	37	0.62	100 (QCK, SCK, RCK, HCK, NCK)

* is the new model that is applied from 1st January, 2016.

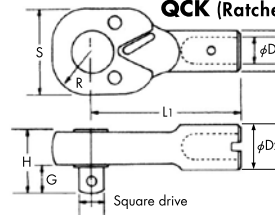
HEADS

OPTIONAL REPLACEABLE HEADS

SCK (Open End head)



QCK (Ratchet head)



SCK open end heads

Unit : mm

Old Model	New Model	Size (W)					S	T	L1	φ D1	φ D2	Applicable torque wrench
		7	8	9	10	11						
230SCK	25SCK	7	8	9	10	11	29	7	45	10	16	60-250LCK, N6-N25LCK, 60-250SPCK, N6-N25SPCK, 250GCK, N25GCK, DTC-20REV, DTC-50REV, DTC-100REV, DTC-CN200REV, DTC-CN500REV, DTC-N10REV, DTC-PI-40REV, DTC-PI80REV
		12	13	14	15	16	32					
		17	19	21	22		39					
		24	27				45					
450SCK	50SCK	8	9	10	11		32	8	55	12	20	500LCK, N50LCK, 500SPCK, N50SPCK, 500GCK, N50GCK, DTC-500REV, DTC-N50REV, DTC-PI400REV, DLT-N50UC
		12	13	14	15	16	36					
		17	19	21	22		44					
		24	27				50					
900SCK	100SCK	12	13	14	15		40	10	65	15	24	1000LCK, N100LCK, 1000SPCK, N100SPCK, 1000, 1400GCK, 1000BCK, 1400BCK, N100BCK, N140BCK, N100, N140GCK, DTC-1000REV, DTC-N100REV, DTC-PI800REV, DLT-N100-UC
		16	17	19	21	22	48					
		24	27	30	32		57					
		17	19	21	22		56					
1800SCK	200SCK	24	27	30			64	14	80	18	28	2000LCK, N200LCK, 2000SPCK, N200SPCK, 2000GCK, N200GCK, DTC-2000REV, DTC-N200REV, DTC-PF100REV, DLT-N200-UC
		32	36	41			75					
		19					59					
		21	22				61					
2800SCK	280SCK	24					63	16	100	22	30	2800LCK, N280LCK, 2800SPCK, N280SPCK, DTC-3000REV, DTC-N300REV, DTC-PF200REV
		27					67					
		30					69					
		32					71					
		36					75					
		41					80					
		46					85					
		19	22	24			70					
27	30	32			78							
4400SCK	440SCK	36	41				84	22	125	30	41	4400LCK, N440LCK, 4400SPCK, N440SPCK
		46	50				94					
		55	60				100					
		22	24				80					
		27					83					
		30					86					
7000SCK	700SCK	32					88	25	130	34	45	5600, 7000LCK, N560, N700LCK, DTC-5000REV, DTC-N500REV, DTC-PF400REV
		36					91					
		41					95					
		46					98					
		50					102					
		55					105					
		60					110					
		27					84					
		30	32				90					
		36					95					
10000SCK	1000SCK	41					100	30	160	38	50	8500, 10000LCK, N850, N1000LCK, DTC-10000REV, DTC-N1000REV
		46					106					
		50					110					
		55					115					
		60					120					
		41					110					
		46					115					
		50					120					
14000SCK	1500SCK	55					122	35	160	38	50	15000LCK, N1500LCK
		60					127					
		65					130					
		41					110					
		46					115					
		50					120					

QCK ratchet heads

Unit : mm

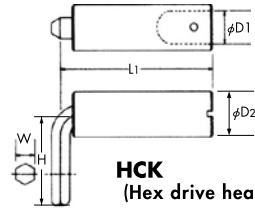
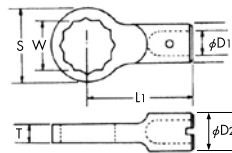
Old Model	New Model	Sq. drive	S	H	G	R	L1	φ D1	φ D2	Applicable torque wrench
120QCK	12QCK	6.35 (1/4)	24	19	7.5	12	45	10	16	60-250LCK, N6-N25LCK, 60-250SPCK, N6-N25SPCK, 250GCK, N25GCK, DTC-20REV, DTC-50REV, DTC-100REV, DTC-CN200REV, DTC-CN500REV, DTC-N10REV, DTC-PI-40REV, DTC-PI80REV
230QCK	25QCK	9.53 (3/8)	31	25	11	15.5	55	12	18	500LCK, N50LCK, 500SPCK, N50SPCK, 500GCK, N50GCK, DTC-500REV, DTC-N50REV, DTC-PI400REV, DLT-N50UC
450QCK	50QCK	12.7 (1/2)	39	31	14	19.7	65	15	24	1000LCK, N100LCK, 1000SPCK, N100SPCK, 1000, 1400GCK, 1000BCK, 1400BCK, N100BCK, N140BCK, N100, N140GCK, DTC-1000REV, DTC-N100REV, DTC-PI800REV, DLT-N100-UC
900QCK	100QCK	19.05 (3/4)	46	33	20	27	80	18	26	2000LCK, N200LCK, 2000SPCK, N200SPCK, 2000GCK, N200GCK, DTC-2000REV, DTC-N200REV, DTC-PF100REV, DLT-N200-UC
1800QCK	200QCK	25.4 (1)	54	42.5	27	34	100	22	30	2800LCK, N280LCK, 2800SPCK, N280SPCK, DTC-3000REV, DTC-N300REV, DTC-PF200REV
2800QCK-A	280QCK-A	25.4 (1)	68	50	34	125	125	30	41	4400LCK, N440LCK, 4400SPCK, N440SPCK
4400QCK	440QCK	25.4 (1)	76	58	27	38	130	34	45	5600, 7000LCK, N560, N700LCK, DTC-5000REV, DTC-N500REV, DTC-PF400REV
7000QCK	700QCK	25.4 (1)	87	61	28.5	43.5	160	38	52	8500, 10000LCK, N850, N1000LCK, DTC-10000REV, DTC-N1000REV, DTC-PF800REV
10000QCK	1000QCK	25.4 (1)								15000LCK, N1500LCK

* is the new model that is applied from 1st January, 2016.

HEADS

OPTIONAL REPLACEABLE HEADS

RCK (Ring head)



HCK
(Hex drive head)

RCK ring heads

Unit : mm

Old Model	New Model	Size (W)				S	T	L ₁	φ D ₁	φ D ₂	Applicable torque wrench
		7	8	9	10						
230RCK	25RCK	7				18	8	45	10	16	60-250LCK, N6-N25LCK, 60-250SPCK, N6-N25SPCK, 250GCK, N25GCK, DTC-20REV, DTC-50REV, DTC-100REV, DTC-CN200REV, DTC-CN500REV, DTC-N10REV, DTC-PI-40REV, DTC-PI80REV
		11				21					
		12	13	14		31					
		17	19	22		32					
450RCK	50RCK	8	10			19	10	55	12	20	500LCK, N50LCK, 500SPCK, N50SPCK, 500GCK, N50GCK, DTC-500REV, DTC-N50REV, DTC-PI400REV, DLT-N50UC
		11	12	13	14	22					
		17	19	22		32					
900RCK	100RCK	12	13	14		25	13	65	15	23	1000LCK, N100LCK, 1000SPCK, N100SPCK, 1000, 1400GCK, N100, 1000BCK, 1400BCK, N100BCK, N140BCK, N140GCK, DTC-1000REV, DTC-N100REV, DTC-PI800REV, DLT-N100-UC
		17	19	21	22	34					
		24	27	30		42					
		17	19	22		35					
1800RCK	200RCK	24	27	30		45	15	80	18	27	2000LCK, N200LCK, 2000SPCK, N200SPCK, 2000GCK, N200GCK, DTC-2000REV, DTC-N200REV, DTC-PF100REV, DLT-N200-UC
		32	36	41		58					
		19	22	24		40					
2800RCK	280RCK	27	30	32		47	17	100	22	30	2800LCK, N280LCK, 2800SPCK, N280SPCK, DTC-3000REV, DTC-N300REV, DTC-PF200REV
		36	41			63					
		46				20					
		19	22	24		44					
4400RCK	440RCK	27	30	32		50	20	125	30	41	5600, 7000LCK, N560, N700LCK, DTC-5000REV, DTC-N500REV, DTC-PF400REV
		36	41			58					
		46	50			66					
		55	60			80					
		22	24			52					
7000RCK	700RCK	27	30	32		57	20	130	34	45	8500, 10000LCK, N850, N1000LCK, DTC-10000REV, DTC-N1000REV
		36				62					
		41				70					
		46	50			80					
		55				30					
		60				33					
10000RCK	1000RCK	27	30	32		60	25	160	38	50	15000LCK, N1500LCK
		36				65					
		41				72					
		46				80					
		50				30					
14000RCK	1500RCK	55				80	32	19	22	25	60-250LCK, N6-N25LCK, 60-250SPCK, N6-N25SPCK, 250GCK, N25GCK, DTC-20REV, DTC-50REV, DTC-100REV, DTC-CN200REV, DTC-CN500REV, DTC-N10REV, DTC-PI-40REV, DTC-PI80REV
		60				80					
		65				90					
		41				27					
		46				30					
		50				32					

HCK hex drive heads

Unit : mm

Old Model	New Model	Size (W)	L ₁	φ D ₁	φ D ₂	Size (H)	Applicable torque wrench
230HCK	25HCK	2.5	45	10	16	19	60-250LCK, N6-N25LCK, 60-250SPCK, N6-N25SPCK, 250GCK, N25GCK, DTC-20REV, DTC-50REV, DTC-100REV, DTC-CN200REV, DTC-CN500REV, DTC-N10REV, DTC-PI-40REV, DTC-PI80REV
		3				22	
		4				25	
		5				30	
		6				35	
		8				40	
450HCK	50HCK	4	55	12	20	27	500LCK, N50LCK, 500SPCK, N50SPCK, 500GCK, N50GCK, DTC-500REV, DTC-N50REV, DTC-PI400REV, DLT-N50UC
		5				30	
		6				35	
		8				40	
		10				45	
		12				50	
900HCK	100HCK	6	65	15	23	35	1000LCK, N100LCK, 1000SPCK, N100SPCK, 1000, 1400GCK, N100, N140GCK, 1000BCK, 1400BCK, N100BCK, N140BCK, DTC-1000REV, DTC-N100REV, DTC-PI800REV, DLT-N100-UC
		8				40	
		10				45	
		12				51	
		14				63	
		17				72	
1800HCK	200HCK	8	80	18	28	40	2000LCK, N200LCK, 2000SPCK, N200SPCK, 2000GCK, N200GCK, DTC-2000REV, DTC-N200REV, DTC-PF100REV, DLT-N200-UC
		10				45	
		12				51	
		14				63	
		17				72	
		19				80	
2800HCK	280HCK	12	100	22	30	51	2800LCK, N280LCK, 2800SPCK, N280SPCK, DTC-3000REV, DTC-N300REV, DTC-PF200REV
		14				63	
		17				71	
		19				80	
		19				80	

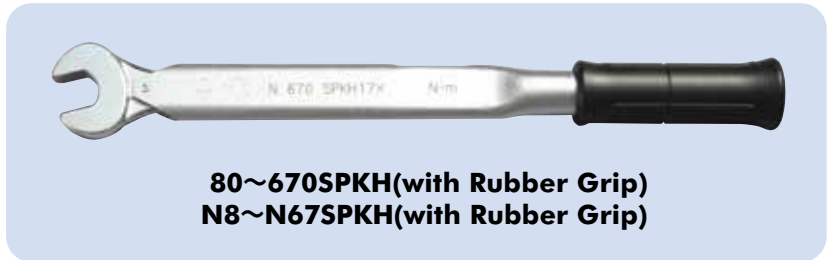
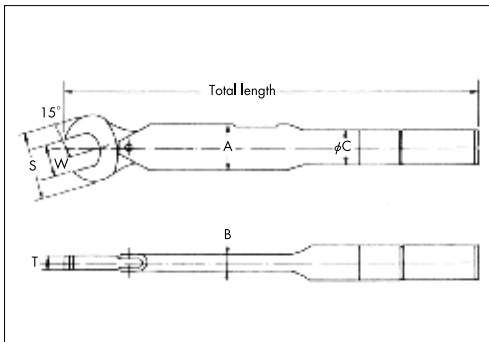
* is the new model that is applied from 1st January, 2016.

SPK PRE-SET TORQUE WRENCHES

Audible and tangible "CLICK" when the set torque is reached, assuring a securely tightened joint. This series is well-suited for production line use.

FEATURES

- A single function wrench, used for a single setting combination of fastener size and torque setting.
- Most suited for tightening multiple same-size fasteners at the same torque in a production line.
- Setting confirmation unnecessary.
- Can be used effectively in confined spaces.
- Tightening to set torque only in the direction of the arrow indicator, but can be used for general tightening in the other direction as well.
- Accuracy : $\pm 3\%$ of pre-set value



EXAMPLE OF ORDER

Model Size(W) Pre-set Value
| | |
N19SPK 10 × 14N·m

Model (kgf·cm)	Range kgf·cm	Old Model (N·m)	New Model (N·m)	Range N·m	Spanner sizes (W)								Total length mm	Dimensions (mm)					Weight kg	
					mm									Head		Body				
					S	T	A	B	C	S	T	A		B	C					
30SPK	5~30	N30SPK	N35SPK	0.5~3	5.5	6							152	24	5	19.5	7.5	15	0.1	
80SPK	15~80	N80SPK	N85SPK	1.5~8	5.5	6	7						175	24	5	19.5	7.5	15	0.11	
190SPK	35~190	N190SPK	N195SPK	3.5~19	8	9	10	11	12	13			203	27						
380SPK	80~380	N380SPK	N385SPK	8~38	10	11							205	30		7	19.5	7.5	15	0.15
					12	13	14					213	35							
					17	19						248	35							
670SPK	130~670	N670SPK	N675SPK	13~67	10	11	12	13	14				252	39		8	26.6	8.2	20	0.29
					17	19						256	45							
					21	22	23	24				264	52	9						
1200SPK	240~1,200	N1200SPK	N1205SPK	24~120	26	27	29	30	32				319	45	10					0.45
					14	17	19	21				325	50		11	25.8	9.7	20	0.46	
					22	24	26					330	56							0.47
1600SPK	300~1,600	N1600SPK	N1605SPK	30~160	27	30	32					342	65						0.49	
					17	19	22					390	52		12					0.75
					24	26	27					397	57							0.77
2200SPK	450~2,200	N2200SPK	N2205SPK	45~220	29	30	32					403	62						0.79	
					19	22						404	64	14						0.81
					24	26						435	52	12	32.8	11.3	25		0.94	
3100SPK	650~3,100	N3100SPK	N3105SPK	65~310	27	30	32					442	57						0.97	
					19	22						449	64	14						0.99
					24	26						457	73							1.1
4200SPK	900~4,200	N4200SPK	N4205SPK	90~420	41							585	72		15	35.6	12.5	27.2	1.1	
					19	22						597	90							1.2
					24	27	36					650	65							1.3
80SPK	15~80	N80SPK	N85SPK	1.5~8	30	32	36					654	70		16	38.0	16	30	1.32	
					41							662	82							1.4
					22							833	72							1.45
190SPK	35~190	N190SPK	N195SPK	3.5~19	27							838	74						1.45	
					30							838	76	19	43.3	17.8	34		1.46	
					32							843	78							1.47
380SPK	80~380	N380SPK	N385SPK	8~38	36	41						847	88						1.5	
					24							860	94	18						1.52
					46															

* is the new model that is applied from 1st January, 2016.

RSPK PRE-SET, RING TORQUE WRENCHES

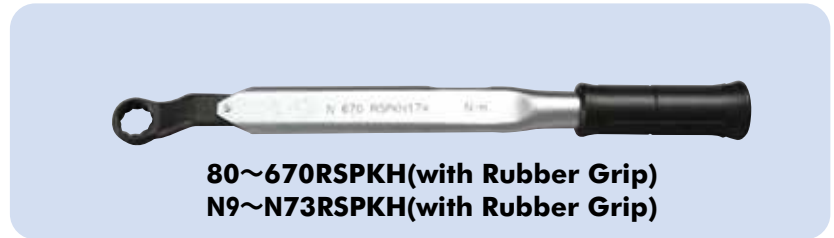
Can be used for accurate torque application even on joints inaccessible with other wrenches.

FEATURES

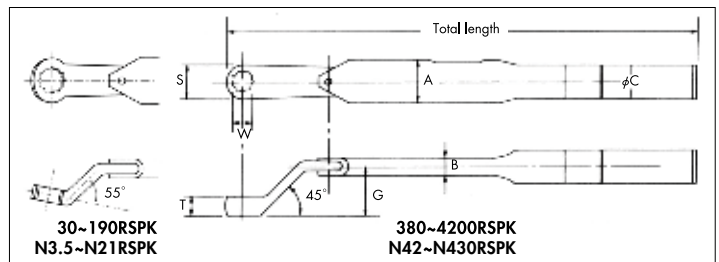
- The ring head of RSPK wrenches is offset at a 45° angle making certain joints particularly accessible.
- A single function wrench, used for a single setting combination of fastener size and torque setting.
- Most suited for tightening multiple same-size fasteners at the same torque on a production line.
- Setting confirmation unnecessary.
- Accuracy : ±3% of pre-set value

EXAMPLE OF ORDER

Model Size(W) Pre-set Value
 | | |
 N21RSPK 10 x 14N·m



★1 Model	★2 Ring head sizes (W) Head			Model	★3 Ring head sizes (W) Head			Model	Ring head sizes (W) Head		
	mm	S	T		mm	S	T		mm	S	T
30RSPK N3.5RSPK	5.5	10	4	80RSPK N9RSPK	5.5	10	4	190RSPK N21RSPK	10	16	7
	6		5		6		11		18		
	7	6	7		7	12	19		8		
	8				13	8	13		20	8.5	
	9				14	9	14		22	9	
10	16	7	10	16	22	9					
				11	18	7	17	26	10		
				12	19	8	19	29	10.5		
							22	33	12		



Model (kgf·cm)	Range kgf·cm	Old Model (N·m)	New Model (N·m)	Range N·m	Ring head sizes (W)				Total length mm	Dimensions (mm)						Weight kg
					mm					Head		Body				
					S	T	G	A		B	C					
30RSPK	5~35	N30RSPK	N3.5RSPK	0.5~3.5	5.5	6	9	10	175	★1	19.5	7.5	15	0.12		
					7	8										
80RSPK	20~90	N80RSPK	N9RSPK	2~9	5.5	6	7	197	197	★2	19.5	7.5	15	0.13		
					8	9	10									
					11	12										
190RSPK	40~210	N190RSPK	N21RSPK	4~21	10			222	222	★3	19.5	7.5	15	0.21		
					11	12	13	14						225	0.21	
					17	19	22	228						0.23		
					11	12	13	14						268	0.31	
					17	19	22	273						0.39		
380RSPK	90~420	N380RSPK	N42RSPK	9~42	14	17		343	343	10	25	26.6	8.2	20		
					14	17		343							26	0.46
					19	22	24	348							34	0.48
670RSPK	140~730	N670RSPK	N73RSPK	14~73	27	30	32	353	353	12	27	25.8	9.7	20		
					27	30	32	353							40	0.5
					14			413							30	0.7
					17			413							32	0.7
					19	22		415							34.5	0.8
1200RSPK	250~1,270	N1200RSPK	N127RSPK	25~127	24			415	415	15	29	32.8	11.3	25		
					24			415							38.5	0.85
					27	30	32	428							44	0.9
					36			437							50	0.9
					19	22	24	470							37	1.0
1600RSPK	320~1,700	N1600RSPK	N170RSPK	32~170	27	30	32	474	474	15	31	32.8	11.3	25		
					27	30	32	474							44	1.2
					19			605							37	1.25
2200RSPK	480~2,300	N2200RSPK	N230RSPK	48~230	22	24	27	608	608	16.5	33	35.6	12.5	27.2		
					22	24	27	608							41	1.3
					30	32		610							46	1.35
					36			612							50	1.4
					41			612							54	1.45
3100RSPK	680~3,200	N3100RSPK	N320RSPK	68~320	22			682	682	18	35	38	16	30		
					22			682							40	1.35
					24	27	30	685							46	1.4
					32	36		688							52	1.45
					41			688							56	1.5
4200RSPK	950~4,300	N4200RSPK	N430RSPK	95~430	27	30	32	880	880	18	37	43.3	17.8	34		
					27	30	32	880							52	1.55
					36			885							55	1.6
					41			890							60	1.65
					46			895							65	1.7

* is the new model that is applied from 1st January, 2016.